

*Glen Canyon Dam Adaptive Management Program:*  
**Science Advisors Program Update**

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# Current and Recently Ended Tasks

- Wrapped up Fisheries PEP – working with GCMRC to shepherd final report to completion
  - Useful lessons on joint responsibilities of SAP and GCMRC for Independent Review Panels (IRPs) envisioned by 1995 EIS
- Supporting Knowledge Assessment
  - Methods & guidance
  - Spreadsheet tool
  - Data integration & report generation with “scorecard” icons
  - Report on effectiveness of KA in capturing key aspects of state of knowledge





# Mandate for IRPs (GCMRC + SAP)

- Natural, cultural, and recreational resources affected by Glen Canyon Dam operations and the effects of those operations
- Results of ongoing and completed monitoring and research activities, and syntheses and assessments of these results
- Protocols followed in monitoring and research activities
- GCMRC long-term monitoring plans, annual monitoring and research plans, and annual budget proposals
- *Any other topics* per AMWG request concerning:
  - Resources affected by Glen Canyon Dam operations, effects of those operations, options for managing these effects
  - Coordination and balancing among resource programs
  - Combined effectiveness of resource programs in advancing understanding of the Colorado River ecosystem and ensuring progress in defining and conducting adaptive management experiments

# Potential IRP focus on adaptive management process

- KA and ARM show clear needs for/growing attention to:
  - How antecedent conditions affect outcomes of management actions
  - How external drivers affect resource conditions and outcomes of management actions
    - How do LCR and Paria watershed dynamics affect their inputs to CRE? How will these change with climate change or changes in land and water use across LCR watershed?
  - Feedback relationships among resource conditions
  - Interactions with larger ecosystem – e.g., aquatic-terrestrial interactions



# Tasks for Remainder of FY 2017

- Develop SAP three-year plan
  - Need input from TWG, GCMRC, AMWG on external review needs for FY 2018-2020
- Complete SAP charter and protocols update?
  - Still tabled, including TWG recommendations to include a standing panel in SAP capabilities
- External review of GCDAMP integration of tribal values into adaptive management goals & methods?
  - On hold; possibility for triennial plan
- Rebuild SAP archive, in wiki site